

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (withdrawn) A method for producing a vaccine containing an immunogenic determinant, comprising the steps of:
 - a) subjecting cells infected with an intracellular bacterial, protozoan or parasitic pathogen to stress with heat or tumour necrosis factor;
 - b) extracting the endogenous stress-induced products from the stressed cells; and
 - c) using the extracted products as the immunogenic determinant in the preparation of the vaccine composition.
2. (withdrawn) The method as claimed in claim 1, wherein the active ingredient of the immunogenic determinant predominantly comprises one or more shock protein/antigenic peptide fragment complexes.
3. (withdrawn) The method as claimed in claim 1, wherein the cells are infected by bacterial pathogens and the stress applied is heat.
4. (withdrawn) The method as claimed in claim 3, wherein the heat stress is achieved by heating to from 5 to 8° above the normal temperature of cultivation of the cells.
5. (withdrawn) The method as claimed in claim 1, wherein the cells are infected by parasitic pathogens and the stress is induced by tumour necrosis factor.
6. (withdrawn) The method as claimed in claim 1, wherein the cells have been modified to induce synthesis of stress proteins.

7. (withdrawn) The method as claimed in claim 1, wherein the application of stress to the cells is carried out in vitro.

8. (currently amended) A vaccine composition comprising an immunogenic determinant, wherein the immunogenic determinant comprises one or more complexes between a shock protein and an antigenic peptide fragment ~~derived~~ obtained from the heat or tumour necrosis factor stressing of a cell infected with a bacterial, protozoal or parasitic intra-cellular pathogen.

9. (currently amended) A vaccine composition comprising an immunogenic determinant, wherein the immunogenic determinant is produced by the method ~~as claimed in claim 1~~, comprising the steps of:

- a) subjecting cells infected with an intracellular bacterial, protozoan or parasitic pathogen to stress with heat or tumour necrosis factor;
- b) extracting the endogenous stress-induced products from the stressed cells; and
- c) using the extracted products as the immunogenic determinant in the preparation of the vaccine composition.

10. (previously presented) The vaccine composition as claimed in claim 8, wherein the composition further comprises an adjuvant for the immunogenic determinant.

11. (previously presented) The vaccine composition as claimed in claim 8, wherein the composition is an aqueous composition.

12. (withdrawn) A method for treating an animal with a vaccine comprising administering a pharmaceutically acceptable quantity of a vaccine composition as claimed in claim 8 sufficient to elicit an immune response in the animal.

13. (withdrawn) The method as claimed in claim 12, wherein the vaccine composition is administered by injection.